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=> s hydroyapatite or PHA
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=> s hydroxyapatite or PHA

L1 97289 HYDROXYAPATITE OR PHA

=> s mak? or prepar?

3 FILES SEARCHED...
L2 6876359 MAK? OR PREPAR?

=> s l1 and l2

L3 18976 L1 AND L2

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=> s l3 and method
L4        11579 L3 AND METHOD
=> s l4 and ((calcium sulfate) or CaSO4)
L5          452 L4 AND ((CALCIUM SULFATE) OR CASO4)
=> s l5 and ((sodium phosphate) or Na3PO4)
L6           66 L5 AND ((SODIUM PHOSPHATE) OR NA3PO4)
=> s l6 and ((CaCO3) or (calcium carbonate))
L7           47 L6 AND ((CACO3) OR (CALCIUM CARBONATE))
=> s l7 and (magnesium salt#)
L8            2 L7 AND (MAGNESIUM SALT#)
=> d l8 1-2 ibib ab

L8   ANSWER 1 OF 2  USPATFULL
ACCESSION NUMBER:         2002:30405  USPATFULL
TITLE:                    Biocements having improved compressive strength
INVENTOR(S):              Wenz, Robert, Wollstadt, GERMANY, FEDERAL REPUBLIC OF
                          Driessens, Ferdinand, ohe en Laak, NETHERLANDS

                               NUMBER         KIND     DATE
                          ---------------- ------ --------
PATENT INFORMATION:       US 2002017220      A1   20020214
APPLICATION INFO.:        US 2001-853042     A1   20010511  (9)

                               NUMBER         DATE
                          ---------------- --------
PRIORITY INFORMATION:     DE 2000-110045     20000512
DOCUMENT TYPE:            Utility
FILE SEGMENT:             APPLICATION
LEGAL REPRESENTATIVE:     MILLEN, WHITE, ZELANO & BRANIGAN, P.C., 2200 CLARENDON
                          BLVD., SUITE 1400, ARLINGTON, VA, 22201
NUMBER OF CLAIMS:         20
EXEMPLARY CLAIM:          1
NUMBER OF DRAWINGS:       1 Drawing Page(s)
LINE COUNT:               270
AB     The invention describes biodegradable calcium phosphate cements, in
       particular mixtures of calcium phosphate-containing powders of
different
       stoichiometric composition, the precipitated hydroxylapatite present
       being a cation-deficient hydroxylapatite of the formula 1, with the
       result that the mixtures have improved properties with regard to
       compressive strength.

L8     ANSWER 2 OF 2  EUROPATFULL  COPYRIGHT  2002 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER:         1179568     EUROPATFULL  EW 200207  FS OS
TITLE:                    POLYAMIDE RESIN COMPOSITION.
                          POLYAMIDHARZZUSAMMENSETZUNG.
                          COMPOSITION DE RESINE POLYAMIDE.
INVENTOR(S):              ARAMAKI, Masaaki, 12-7-201, Midorigaoka 4-chome,
                          Nobeoka-shi, Miyazaki 882-0863, JP;
                          WATANABE, Katsushi, 334-11, Sakurakouji, Nobeoka-shi,
                          Miyazaki 882-0816, JP;
```

NAKASHIMA, Ikutoshi, 2633-9, Wakabacho 2-chome,
Nobeoka-shi, Miyazaki 882-0875, JP
PATENT ASSIGNEE(S): Asahi Kasei Kabushiki Kaisha, 2-6, Dojimahama 1-chome,
Kita-ku, Osaka-shi, Osaka 530-8205, JP
PATENT ASSIGNEE NO: 219576
AGENT: Blake, John Henry Francis, Brookes Batchellor 102-108
Clerkenwell Road, London EC1M 5SA, GB
AGENT NUMBER: 28375
OTHER SOURCE: BEPA2002015 EP 1179568 A1 0051
SOURCE: Wila-EPZ-2002-H07-T1a
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Japanisch; Veroeffentlichung in Englisch;
Verfahren in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R
GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R
SE; R TR; R AL; R LT; R LV; R MK; R RO; R SI
PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale
Anmeldung)
PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 1179568	A1	20020213
'OFFENLEGUNGS' DATE:		20020213
APPLICATION INFO.: EP 2001-904462		20010215
PRIORITY APPLN. INFO.: JP 2000-2000037533		20000216
JP 2000-2000037534		20000216
JP 2000-2000041533		20000218
RELATED DOC. INFO.: WO 01-JP1067	010215	INTAKZ
WO 0160918	010823	INTPNR

ABEN The present invention provides a polyamide resin composition suitable as
industrial materials such as automobile parts, electronic or electrical parts, and industrial machine parts, and excellent in various mechanical properties such as various kinds of moldability, rigidity, and strength, and durability such as heat-resistant aging property.

Namely, the invention relates to a polyamide resin composition comprising (A) a polyamide, (B) an apatite type compound, and (C) (i) a higher fatty acid metal salt and/or (ii) a mixture of a metal halide and a copper compound, wherein the polyamide resin composition is obtainable by adding component (C) after the formation of the apatite type compound.

WEST

The Contents of Case 09853042

Qnum	Query	DB Name	Thesaurus	Operator	Plural
Q1	(bone or calcium or (calcium phosphate)) and cement?	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q2	Q1 and (TCP or (tricalcium phosphate))	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q3	Q2 and (PHA or hydroxyapatite or hydroxylapatite)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q4	Q3 and ((inorganic phosphate) or CaHP04 or (apatite and carbonate))	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q5	Q4 and (particle size)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q6	Q5 and (compressive strength)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q7	Q6 and (weight percent$)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q8	Q7 and (settling accelator)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q9	Q8 and ((drug delivery) or (biologically active) or bioactive or drug)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q10	Q9 and (antibiotic or disinfectant)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q11	Q10 and (solution or suspension or paste)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES
Q12	Q11 and ((growth factor) or prostaglandin or (bone morphogenic protein) or (tissue growth factor) or (fibroblast growth factor) or TGFBetaor BMP or OP or FGF)	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	None	OR	YES

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	U	1	Document ID	Issue Date	Pages
1	☒	☐	US 20020017220 A1	20020214	5
2	☒	☐	US 20010016353 A1	20010823	8
3	☒	☐	US 6379453 B1	20020430	16
4	☒	☐	US 4610692 A	19860909	8
5	☒	☐	US 4207306 A	19800610	16
6	☒	☐	US 4097935 A	19780704	19

	Title	Current OR	Current XRef
1	Biocements having improved compressive strength	106/35	106/690; 106/691; 623/23.56; 623/23.61; 623/23.62
2	Relic process for producing resorbable ceramic scaffolds	435/395	264/610
3	Process for producing fast-setting, bioresorbable calcium phosphate cements	106/690	106/35; 106/691
4	Implant for filling bone cavities and fixing bone fragments in a living body, method of producing the same, and bone implant system	424/422	264/43; 264/44; 424/423; 424/602; 424/679; 424/680; 424/723; 427/245; 427/373; 523/116; 623/23.48
5	Process for producing polycrystalline ceramic oxides	423/633	423/594; 423/598; 423/625; 423/636; 501/1
6	Hydroxylapatite ceramic	623/23.61	106/35; 423/307; 423/594; 423/598; 423/625; 423/633; 423/634; 423/636; 433/228.1; 501/1; 501/151; 523/116; 623/9

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1		Wenz, Robert et al.	☐	☐	☐	☐	☐	☐	☐
2		Janas, Victor F. et al.	☐	☐	☐	☐	☐	☐	☐
3		Lin, Jiin-Huey Chern et al.	☐	☐	☐	☐	☐	☐	☐
4		Eitenmuller, Jurgen et al.	☐	☐	☐	☐	☐	☐	☐
5		Jarcho, Michael	☐	☐	☐	☐	☐	☐	☐
6		Jarcho, Michael	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
1	US 20020017220	☐
2	US 20010016353	☐
3	US 6379453	☐
4	US 4610692	☐
5	US 4207306	☐
6	US 4097935	☐